

**REMARKS**

In reviewing the official communication of June 25, 2008, and in obtaining further clarification from the examiner over the telephone, applicants understand that the election of species is either at least one gene from a combination of Tables 1 and 7 (i.e., according to claim 40 subpart A) or at least one gene from Table 2.

A table showing in which of Tables 1, 2 and 7 the genes previously elected in the response of March 10, 2008, are listed is attached hereto for the examiner's convenience.

Applicants elect without traverse the species of at least one of the following genes from Tables 1 and 7:

NMDA R2 (AF001423)

Glu-binding subunit (Grina) (S61973)

Densin-180 (U66707)

Begain (AF064868)

CAMKII gamma (J04063)

CAMKII inhibitor alpha (AA858621)

Synapsin II (AI145494)

SNAP-25A (AB003991)

SNAP-25B (AB003992)

VAMP2 (AI101103)

Adenylyl cyclase 2 (AI145367)

Appln. No. 10/520,133

Response dated July 22, 2008

Reply to Office action of June 25, 2008

It is understood, however, that upon allowance of a generic claim, applicants will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitation of an allowed generic claim as provided by 37 CFR 1.141.

Claim 41 is readable on the elected species of at least one gene from Tables 1 and 7, with claim 40 and 42 being generic.

Favorable consideration and early allowance are respectfully solicited.

Respectfully submitted,

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<b>Genes</b>	<b>Table 1</b>	<b>Table 2</b>	<b>Table 7</b>
GluR-A (M36418)		+	
NMDA R1 (L08228Exon#22)			
NMDA R2 (AF001423)			+
Glu-binding subunit (Grina) (S61973)	+		
Densin-180 (U66707)	+	+	+
Begain (AF064868)	+		+
CAMKII gamma (J04063)	+	+	
CAMKII beta (M16112)		+	
CAMKII inhibitor alpha (AA858621)	+		
Synapsin II (AI145494)	+		+
SNAP-25A (AB003991)			+
SNAP-25B (AB003992)			+
VAMP2 (AI101103)	+		+
Adenylyl cyclase 2 (AI145367)	+		+
Catechol O-methyltransferase (M93257)			